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INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: January 24, 2011 <i>(use as many sheets as necessary)</i>		Application Number	10/589,405
		Filing Date	8/11/2006
		First Named Inventor	John W. BABICH
		Art Unit	1618
		Examiner Name	Jones, Dameron Levest
Sheet	1	of	3
		Attorney Docket Number	346715-0626

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A7	US 3,277,085	10-04-1966	Aebi et al.	
	A8	US 4,382,872	05-10-1983	Grinstead	
	A9	US 6,013,802	01-11-2000	Hoyland et al.	

UNPUBLISHED U.S. PATENT APPLICATION DOCUMENTS					
Examiner Initials*	Cite No. ¹	U.S. Patent Application Document Serial Number-Kind Code ² (if known)	Filing Date of Cited Document MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS						
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	B6	WO 2002/077145	10-03-2002	Carina et al.		
	B7	WO 2003/077727	09-25-2003	Babich et al.		
	B8	JP 62-207282	09-11-1987	NIPPON MEJIFUIJITSUKUSU CO.		
	B9	JP 04-247067	09-03-1992	FUJI PHOTO FILM CO LTD		
	B10	JP 08-062801	03-08-1996	FUJI PHOTO FILM CO LTD		
	B11	JP 09-124479	05-13-1997	L'OREAL SA		
	B12	JP 11-342341	12-14-1999	LION CORP		
	B13	WO 2001/064660	09-07-2001	MALLINCKRODT INC.		
	B14	DE 19713851	10-08-1998	Henkel KGaA		

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	C43	Wei, et al., "Chemistry of Pentacoordinate [LCuII-CL]+ Complexes with Quinoyl Containing Tripodal Tetradentate Ligands L", Inorganic Chemistry, 1994, Vol. 33, pgs 6093-6100	
	C44	Zhang et al., "Derivatization, complexation, and absolute configurational assignment of chiral primary amines: Application of exciton-coupled circular dichroism", Chirality, 2003, Vol. 15, pgs 180-189	
	C45	Zahn, et al., "Cu(I/II) Redox Control of Molecular Conformation and Shape in Chiral Tripodal Ligands: Binary Exciton-Coupled Circular Dichroic States", Journal of the American Chemical Society, 2002, Vol. 124, pgs 9204-9211	
	C46	Young, et al., "An approach to the design of brain-penetrating histaminergic agonists", European Journal of Medicinal Chemistry, 1993, Vol. 28, pgs 201-211	
	C47	Bartsch, et al., "Chemistry of O,N- and S,N-heterocycles. X. Synthesis and biological activity of 2-substituted 2-ethylbenzoxazoles", Archiv der Pharmazie (Weinheim, Germany), 1991, Vol. 324, pgs 79-82	
	C48	Clewley, et al., "Mono- and dinuclear M2+ chelates as catalysts for the hydrolysis of organophosphate triesters", Inorganica Chimica Acta, 1989, Vol. 157, pgs 233-238	
	C49	Chiu, et al., "Stability and acidity constants for ternary ligand-zinc-hydroxo complexes of tetradentate tripodal ligands", Inorganic Chemistry, 2003, Vol. 42, pgs 5107-5116	
	C50	Muller-Hartmann, et al., "Zinc complexes of condensed phosphates, 4. Diphosphate-zinc complexes with encapsulating tripodal coligands", European Journal of Inorganic Chemistry, 2000, Vol. 11, pgs 2371-2377	
	C51	Mandal, et al., "Novel tert-butyl migration in copper-mediated phenol ortho-oxygenation implicates a mechanism involving conversion of a 6-hydroperoxy-2,4-cyclohexadienone directly to an o-quinone", Journal of Organic Chemistry, 2000, Vol. 65, pgs 4804-4809	
	C52	Monzani, et al., "Mechanistic, Structural, and spectroscopic studies on the catecholase activity of a dinuclear copper complex by dioxygen", Inorganic Chemistry, 1999, Vol. 38, pgs 5359-5369	
	C53	Mosznier, et al., "Neutral and cationic rhodium(III) complexes with tridentate bis(benzimidazole) amine ligands", Journal of Chemical Research, Synopses, 1999, Vol. 11, pgs 642-643, 2727-2756	
	C54	Monzani, et al., "Tyrosinase Models. Synthesis, structure, catechol oxidase activity, and phenol monooxygenase activity of a dinuclear copper complex derived from a triamino pentabenzimidazole activity of a dinuclear copper complex derived from a triamino pentabenzimidazole ligand", Inorganic Chemistry, 1998, Vol. 37, pgs 553-562	

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	C55	Wang, et al., "Synthesis, crystal structures, and properties of unsymmetrical (μ -oxo)diiron(III) complexes containing polyimidazole ligands", Inorganic Chemistry, 1996, Vol. 35, pgs 6642-6643	
	C56	Casella, et al., "Synthesis, structure, and reactivity of model complexes of copper nitrite reductase", Inorganic Chemistry, 1996, Vol. 35, pgs 1101-1113	
	C57	Nakao, et al., "Synthesis and properties of dinuclear copper(II) complexes containing dinucleating ligands with imidazole nitrogen and two exogenous bridging ligands", Bulletin of the Chemical Society of Japan, 1994, Vol. 67, pgs 2586-2589	
	C58	Sorrell, et al., "Synthesis and reactivity of imidazolyl- and benzimidazolyl-containing copper complexes", Inorganic Chemistry, 1991, Vol. 30, pgs 210-215	
	C59	Thompson, et al., "Complexes of substituted benzothiazoles. 2. Copper(II) complexes of the 'tripod' ligand tris(2-benzothiazolylmethyl)amine", Canadian Journal of Chemistry, 1980, Vol. 58, pgs 1566-1576	
	C60	Pandiyan, et al., "Structure, spectra and redox behavior of copper(II) complexes of bis(benzimidazolyl)diamine ligands", Journal of the Chemical Society, Dalton Transactions: Inorganic Chemistry (1972-1999), 1992, No. 23, pgs 3377-3384	
	C61	Mitani, et al., "η ³ -coordination of hexadentate N,N,N',N'-tetrakis(2-pyridylmethyl)ethylenediamine (tpen) to a mononuclear fac-ReVIO ₃ center. The isolation of a new class of metal-containing ligands", Chemistry Letters, 2003, Vol. 32, pgs 502-503	
	C62	Botha, et al., "Chelation process to an oxorhenium(V) center by N,N,N,O-Tetradentate and N,N,O-tridentate ligands as verified by structural and mechanistic studies of intermediate species", Inorganic Chemistry, 1998, Vol. 37, pgs 1609-1615	

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